

Please add the following new claims:

- 37. The array of claim 1, wherein the compounds are arranged linearly on the support.
38. The array of claim 1, wherein at least one compound is present at at least two different positions on the support.
39. The array of claim 1, wherein at least two compounds are each present at at least two different positions on the support, successive occurrences of each compound being separated by a constant interval.
40. The array of claim 1, wherein at least one compound is present at at least three different positions on the support, successive occurrences of the compound being separated by a constant interval.
- RZ* 41. The array of claim 1, wherein all compounds are present at at least two different positions on the support, successive occurrences of each compound being separated by a constant interval.
42. The array of claim 1, wherein each different compound is present at only one position on the support.
43. The array of claim 1, wherein the support has at least two distinct portions and the array comprises at least a first synthesis product attached to a first portion and a second synthesis product attached to a second portion.
44. The array of claim 43, wherein one or both of said first and second synthesis products include a plurality of distinct chemical structures.

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45. The array of claim 43, wherein one or both of said first and second synthesis products include single chemical structures.

46. The array of claim 43, wherein both of said first and second synthesis products include single chemical structures.--

Remarks

Claims 1-36 are pending in the application, and claims 8-36 have been withdrawn from further consideration by the examiner, 37 CFR §1.142(b), as being drawn to non-elected inventions. Claims 1-7 stand rejected. Claims 1 and 7 are amended as above. New claims 37-46 are added. No new matter is added to the specification by these changes. Errors in the Sequence Listing have been corrected in the enclosed computer readable form and paper copy of the Sequence Listing. Formal drawings will be submitted once the Application has been allowed as requested by the Examiner. Applicant respectfully requests reexamination and reconsideration of the case, as amended. Each of the rejections levied in the Office Action is addressed individually below.

I. Rejection under 35 U.S.C. §112, second paragraph, as being indefinite. Claims 1 and 7 stand rejected under 35 USC §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 has been amended to obviate the rejection by removing the adjective “pre-determined”. Applicant submits that the amended claim is definite without the word pre-determined.

Claim 7 was found by the Examiner to be indefinite due to lack of clarity of the term “one-dimensional” in the context of the instant invention. The term one-dimensional refers to the linear arrangement of compounds on the support, and claim 7 has been amended to more clearly point out this limitation. The support does not have to be longer in one dimension than the other to be one-dimensional with respect to the present invention. For example, a circular-